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URINE DRIPPING MAT
[Shoben no shizuku tori mat]

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Claims

1. A urine dripping mat characterized by the fact that it is constituted from water absorbing paper, and is spread on the floor of the toilet so that it covers the floor of at least the side of the stool.
2. A urine dripping mat characterized by the fact that it is constituted from a sheet consisting of a two-layer structure of a water absorbing layer and a non water absorbing layer, and is spread on the floor of the toilet so that it covers the floor of at least the side of the stool with the water absorbing layer as the top side.
3. The urine dripping mat described in Claim 2, characterized by the fact that, on the bottom side of the non water absorbing layer, a fixing part for fixation in a freely attachable and detachable manner with respect to the floor is provided.
4. The urine dripping mat described in Claim 2 or 3, characterized by the fact that the non water absorbing layer consists of a hard part formed into a receiving dish shape.
5. The urine dripping mat described in any of Claims 2-4, characterized by the fact that the water absorbing layer and the non water absorbing layer are constituted in a freely attachable and detachable manner.
6. The urine dripping mat described in any of Claims 1-5, characterized by the fact that the absorbing paper or the water absorbing layer consists of a laminated layer of toilet paper or other water soluble sheets for flowing in the water washing toilet.
7. The urine dripping mat described in any of Claims 1-6, characterized by the fact that a deodorizing agent and/or a fragrant agent is blended.
8. The urine dripping mat described in any of Claims 1-7, characterized by the fact that a net is covered on the surface.

9. The urine dripping mat described in any of Claims 1-8, characterized by the fact that a concave section cut off in matching with the shape of the stool in the front section is provided, and foot shapes showing the standing positions are drawn on the surface.

Detailed explanation of the invention

[0001]

Technological field to which the invention belongs

The present invention relates to a urine dripping mat. More specifically, it relates to a urine dripping mat capable of preventing the dirtying of the floor by the urine scattered outside the stool during usage by male.

[0002]

Prior art

In general, during the urination of male in the toilet, the urine is not completely received in the stool and often is scattered on the floor around the stool. The floor coated with urine gives a malodor and this is not very hygienic. It is also unpleasant to look at. In particular, in a public toilet or an office toilet, the floor around the stool may become yellow owing to the scattered urine. In order to prevent this, it is necessary to wipe the floor with water frequently with a mop or the like. This is very troublesome. On the other hand, in a household toilet or the like, in order to prevent the direct wetting of the floor by urine, there are also cases in which a mat consisting of a woven material is spread around or on the side of the stool. If such a mat is allowed to stand for a long period of time, due to the adhered urine, the malodor is released and this is not hygienic. It is necessary to wash this frequently. This has been very troublesome.

[0003]

Problems to be solved by the invention

The present invention is aimed at solving the problems described above. It provides a urine dripping mat that can prevent dirtying of the floor by urine, the floor can be always maintained in a clean and hygienic state, and no sweeping, washing or other efforts are required.

[0004]

Means to solve the problems

The invention related to Claim 1 relates to a urine dripping mat characterized by the fact that it is constituted from water absorbing paper, and is spread on the floor of the toilet so that it covers the floor of at least the side of the stool. The invention related to Claim 2 relates to a urine dripping mat characterized by the fact that it is constituted from a sheet consisting of a two-layer structure of a water absorbing layer and a non water absorbing layer, and is spread on the floor of the toilet so that it covers the floor of at least the side of the stool with the water absorbing layer as the top side. The invention related to Claim 3 relates to the urine dripping mat described in Claim 2 characterized by the fact that, on the bottom side of the non water absorbing layer, a fixing part for fixation in a freely attachable and detachable manner with respect to the floor is provided. The invention related to Claim 4 relates to the urine dripping mat described in Claim 2 or 3 characterized by the fact that the non water absorbing layer consists of a hard part formed into a receiving dish shape. The invention related to Claim 5 relates to the urine dripping mat described in any of Claims 2-4 characterized by the fact that water absorbing layer and the non water absorbing layer are constituted in a freely attachable and detachable manner. The invention related to Claim 6 relates to the urine dripping mat described in any of Claims 1-5

characterized by the fact that the absorbing paper or the water absorbing layer consists of a laminated layer of toilet paper or other water soluble sheets for flowing in the water washing toilet. The invention related to Claim 7 relates to the urine dripping mat described in any of Claims 1-6 characterized by the fact that a deodorizing agent and/or a fragrant agent is blended. The invention related to Claim 8 relates to the urine dripping mat described in any of Claims 1-7 characterized by the fact that a net is covered on the surface. The invention related to Claim 9 relates to the urine dripping mat described in any of Claims 1-8 characterized by the fact that a concave section cut off in matching with the shape of the stool in the front section is provided, and foot shapes showing the standing positions are drawn on the surface. By providing these inventions, the conventional problems described above can all be solved.

[0005]

Embodiments of the invention

In regard to the appropriate implementation embodiments of the urine dripping mat related to the present invention, an explanation will be given with reference to figures in the following. Figure 1 and Figure 2 are planar diagrams showing an example of the urine dripping mat related to the present invention. Figure 3 to Figure 5 are the diagrams showing an example of the cross-sectional structures. The urine dripping mat (1) related to the present invention is a material that is spread on the floor of the toilet so that it covers the floor of at least the side of the stool. In the example shown in the diagrams, a concave section (2) cut off in matching with the shape of the stool in the front section is provided, and shapes (3) of left and right feet showing the standing positions of the people are drawn on the surface. The dotted lines drawn in the mat (1) in the diagram show the lines for the folding use. By drawing the foot shapes (3) at the appropriate positions of the surface as shown in the diagram, usage can be done by

approaching the stool sufficiently and the mat or the floor is less easily dirtied. Furthermore, if the words "one step forward" or the like are described, this will be more effective.

[0006]

The mat (1) shown in Figure 1 is one used appropriately for the urinal of the floor installation type often seen in a public toilet or the like. By having the concave section (2) formed in roughly a V shaped letter, it can be spread on the floor on the side of the urinal (S) matching with the front side shape of the urinal (S) of the floor installation type as shown in Figure 6. On the other hand, the mat (1) shown in Figure 2 is one used appropriately for the western style stool. By having the concave section (2) formed in roughly a semicircular shape, it can be spread on the floor on the side of the western style stool (Y) matching with the front side shape of the western style stool (Y) as shown in Figure 7.

[0007]

As the simplest embodiment of the urine dripping mat (1) related to the present invention, it can be constituted from the water absorbing paper (4) as shown in Figure 3. As the water absorbing paper (4), absorbing paper, Japanese paper, tissue paper, toilet paper and other papers having water absorption characteristics can be used. The urine dripping mat (1) related to the present invention can be constituted by piling several sheets of one type or more of these. By spreading the urine dripping mat (1) constituted in this manner on the floor as shown in Figure 6 and Figure 7, the urine scattered around the stool is absorbed by the mat (1) and the floor is not dirtied. Furthermore, since this mat (1) is made of water absorbing paper, if it is dirtied, it can be folded as such and discarded. The effort for the cleaning operation can be alleviated to a large extent. Furthermore, if the fixing part (7) by fixation in a freely attachable and detachable manner with respect to the floor is provided on the bottom side of the water

absorbing paper (4), the position discrepancy of the mat during usage can be prevented in a desirable manner. As the fixing part (7), the two-sided adhesive tape, the surface bonding fastener or the like can be used. In the case of using the surface bonding fastener, the surface bonding fastener is also provided at the corresponding position of the floor.

[0008]

If the water absorbing paper (4) is constituted from toilet paper or other water soluble sheets for flowing in the water washing toilet, after use, it can be allowed to flow as such in the toilet. The amount of trash generated can be decreased in a desirable manner. Furthermore, if a deodorant and/or a fragrant agent is blended in the water absorbing paper (4), this is desirable since the unpleasant feeling due to the odor generated by urine absorbed in the water absorbing paper (4) can be decreased. Furthermore, in order to prevent the breaking, peeling off or the like of the surface of the water absorbing paper (4), it is possible to cover a net consisting of yarns or the like on the surface of the mat (1).

[0009]

As another embodiment of the urine dripping mat (1) related to the present invention, it can also be constituted from a sheet consisting of a two layer structure of a water absorbing layer (5) and a non water absorbing layer (6), as shown in Figure 4. In this case, with the water absorbing layer (5) on the top side, it is spread on the floor in the manner as shown in Figure 6 and Figure 7. At this time, if the fixing part (7) by fixation in a freely attachable and detachable manner with respect to the floor is provided on the bottom side of the non water absorbing layer (6), the position discrepancy of the mat during usage can be prevented in a desirable manner. As the fixing part (7), the two-sided adhesive tape, the surface bonding fastener or the like can be used. In the case of using the surface bonding fastener,

the surface bonding fastener is also provided at the corresponding position of the floor. Furthermore, the constitution of the water absorbing layer (5) and the non water absorbing layer (6) in a freely attachable and detachable manner can also be adopted preferably. There are no special restrictions on the constitution of the water absorbing layer (5) and the non water absorbing layer (6) in a freely attachable and detachable manner. The constitution of the water absorbing layer (5) and the non water absorbing layer (6) by lamination via the surface bonding fastener or the two-sided adhesive tape can be exemplified.

[0010]

As the material of the water absorbing layer (5), a material capable of absorbing the urine is acceptable. Absorbing paper, Japanese paper, tissue paper, toilet paper and other papers having water absorption characteristics, unwoven fabrics, woven fabrics or other water absorbing fabrics, cotton, polymeric absorbing materials and so on can be exemplified as appropriate examples. If the water absorbing layer (5) is constituted from toilet paper or other water soluble sheets for flowing in the water washing toilet, after use, it can be allowed to flow as such in the toilet. The amount of trash generated can be decreased in a desirable manner. Furthermore, if a deodorant and/or a fragrant agent is blended in the water absorbing layer (5), this is desirable since the unpleasant feeling due to the odor generated by urine absorbed in the water absorbing layer (5) can be decreased. Furthermore, in order to prevent the breaking, peeling off or the like of the surface of the water absorbing layer (5), it is also possible to cover a net consisting of yarns or the like on the surface of the mat (1). The material for the non water absorbing layer (6) can be one in which the urine does not permeate. A vinyl sheet or other synthetic resin sheets, a rubber sheet, a metal sheet, a wood sheet and so on can be exemplified as appropriate examples.

[0011]

By having the urine dipping mat (1) made into a sheet consisting of the two-layered structure of the water absorbing layer (5) and the non water absorbing layer (6) in this manner, the permeation of the urine to the inside to reach the floor can be prevented, and the dirtying and the damaging of the floor can be reliably prevented. Furthermore, by the constitution of the water absorbing layer (5) and the non water absorbing layer (6) in an attachable and detachable manner, in the case of the dirtying of the mat, it is possible that only the water absorbing layer (5) need be removed for replacement. This is very convenient. The water absorbing layer (5) can also be provided over the entire surface of the non water absorbing layer (6). However, it is also possible that only a portion is covered. In the case of covering of a portion only, the portion near the stool can be covered.

[0012]

Furthermore, in the constitution of the two-layered structure of the water absorbing layer (5) and the non water absorbing layer (6) described above, it is also possible that the non water absorbing layer (6) is formed in a receiving dish shape having the rising section covering the circumference of the water absorbing layer (5). In this case, as the non water absorbing layer (6), a metal sheet, a wood sheet or other hard parts having rigidity can be used. On its bottom side, the fixing part (7) for the fixation of the mat (1) on the floor as the manner described above is provided. By forming the non water absorbing layer (6) into a receiving dish shape as shown in Figure 5, the urine permeating in the water absorbing layer (5) can be received reliably by the non water absorbing layer (6). It is possible that there is no leakage to the outside.

[0013]

Among the urine dripping mats (1) related to the present invention described above, the mat of the type shown in Figure 5 has the hard part of a metal, wood or the like on the bottom side. Thus, it can be used with respect to the floor that is not a high quality one and its damage is also acceptable, such as a concrete floor, an earth floor often seen in a countryside farm toilet or the like. On the other hand, the mats of the types shown in Figure 3 and Figure 4 can have the bottom made of a soft part. They can be used with respect to floors of marble or high quality tile lining for which damage of the floor would be troublesome.

[0014]

The shapes of the urine dripping mats (1) related to the present invention are not restricted to those shown in Figure 1 and Figure 2. They can be changed appropriately to match with the shape of the stool, the width of the toilet, and so on. Furthermore, it is also possible that they are made into the shapes by using the patterns of animals, plants, daily necessities, stars, moons and so on. For example, the shape using the pattern of a sunfish shown in Figure 8, the shape using the pattern of a tulip shown in Figure 9, the shape using the pattern of a lion shown in Figure 10, the shape using the pattern of a cedar shown in Figure 11, the shape using the pattern of an umbrella shown in Figure 12, the shape using the pattern of the moon shown in Figure 13 and so on can be mentioned as appropriate examples. By having the urine dripping mats (1) in these shapes, peace and warmth can be rendered to the dull toilet. In the diagrams, (K) represents the wall, and (B) represents the stool. Furthermore, the urine dripping mats (1) related to the present invention can be constituted from red, blue, green, black, white, orange, pink or any other colors at will. Furthermore, geometric patterns, patterns of animals or plants, characters of cartoons, or any other patterns can be drawn by using two or more colors.

[0015]

Effects of the invention

As explained above, the invention related to Claim 1 relates to a urine dripping mat characterized by the fact that it is constituted from water absorbing paper, and is spread on the floor of the toilet so that it covers the floor of at least the side of the stool. The urine not received by the stool is absorbed in the water absorbing paper. In doing so, the dirtying of the floor can be prevented, and the floor can always be maintained in a clean and hygienic state. Moreover, after dirtying, as such, it can be folded and discarded. The effort for the cleaning operation can be alleviated to a large extent. The invention related to Claim 2 relates to a urine dripping mat characterized by the fact that it is constituted from a sheet consisting of a two-layer structure of a water absorbing layer and a non water absorbing layer, and is spread on the floor of the toilet so that it covers the floor of at least the side of the stool with the water absorbing layer as the top side. Thus, it is possible to prevent the urine adhered on the mat from reaching the floor, and the dirtying and damaging of the floor can be reliably avoided. The invention related to Claim 3 relates to the urine dripping mat described in Claim 2 characterized by the fact that, on the bottom side of the non water absorbing layer, a fixing part for fixation in a freely attachable and detachable manner with respect to the floor is provided. Thus, the position discrepancy of the mat during usage can be prevented. Furthermore, the mat can be easily removed from the floor for discarding or the like.

[0016]

The invention related to Claim 4 relates to the urine dripping mat described in Claim 2 or 3 characterized by the fact that the non water absorbing layer consists of a hard part formed into a

receiving dish shape. Thus, the urine permeating the water absorbing layer can be received reliably by the non water absorbing layer and it does not leak to the outside. The invention related to Claim 5 relates to the urine dripping mat described in any of Claims 2-4 characterized by the fact that the water absorbing layer and the non water absorbing layer are constituted in a freely attachable and detachable manner. Thus, in the case of the dirtying of the mat, only the water absorbing layer can be removed for replacement, and this is convenient and economical. The invention related to Claim 6 relates to the urine dripping mat described in any of Claims 2-5 characterized by the fact that the absorbing paper or the water absorbing layer consists of a laminated layer of toilet paper or other water soluble sheets for flowing in the water washing toilet. Thus, after usage, the water absorbing layer can be allowed to flow in the toilet, and the amount of the trash generated can be decreased.

[0017]

The invention related to Claim 7 relates to the urine dripping mat described in any of Claims 1-6 characterized by the fact that a deodorizing agent and/or a fragrant agent is blended. Thus, the unpleasant feeling due to the odor generated by the urine in the water absorbing layer can be alleviated. The invention related to Claim 8 relates to the urine dripping mat described in any of Claims 1-7 characterized by the fact that a net is covered on the surface. Thus, the breaking, peeling off or the like of the mat surface can be prevented. The invention related to Claim 9 relates to the urine dripping mat described in any of Claims 1-8 characterized by the fact that a concave section cut off in matching with the shape of the stool in the front section is provided, and foot shapes showing the standing positions are drawn on the surface. Thus, the mat can be spread by adherence to the stool. Furthermore, because usage is done by sufficiently approaching the stool, the floor is dirtied difficultly.

Brief description of the figures

Figure 1 is a planar diagram showing an example of the urine dripping mat related to the present invention.

Figure 2 is a planar diagram showing an example of the urine dripping mat related to the present invention.

Figure 3 is a cross-sectional diagram showing an example of the cross-sectional structure of the urine dripping mat related to the present invention.

Figure 4 is a cross-sectional diagram showing an example of the cross-sectional structure of the urine dripping mat related to the present invention.

Figure 5 is a cross-sectional diagram showing an example of the cross-sectional structure of the urine dripping mat related to the present invention.

Figure 6 is a diagram showing the usage state of the urine dripping mat related to the present invention.

Figure 7 is a diagram showing the usage state of the urine dripping mat related to the present invention.

Figure 8 is a planar diagram showing another example of the urine dripping mat related to the present invention.

Figure 9 is a planar diagram showing another example of the urine dripping mat related to the present invention.

Figure 10 is a planar diagram showing another example of the urine dripping mat related to the present invention.

Figure 11 is a planar diagram showing another example of the urine dripping mat related to the present invention.

Figure 12 is a planar diagram showing another example of the urine dripping mat related to the present invention.

Figure 13 is a planar diagram showing another example of the urine dripping mat related to the present invention.

Explanation of the symbols

- 1 Urine dripping mat
- 2 Concave section
- 3 Foot shape
- 4 Water absorbing paper
- 5 Water absorbing layer
- 6 Non water absorbing layer
- 7 Fixing part
- B Stool
- S Urinal
- Y Western style stool

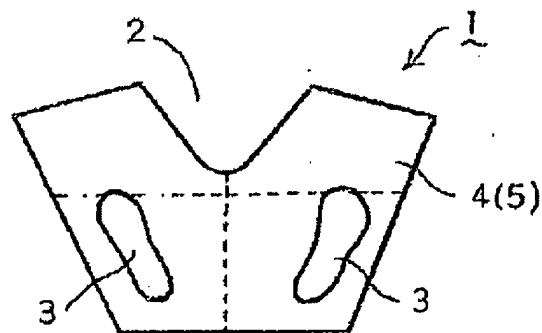


Figure 1

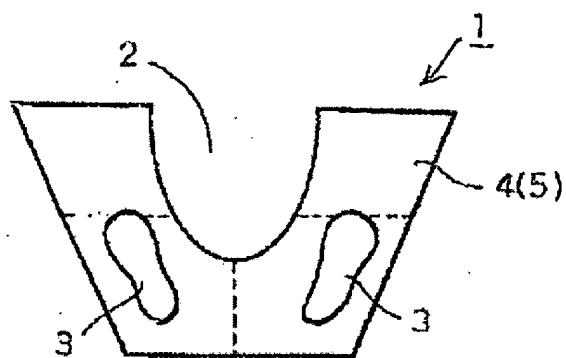


Figure 2

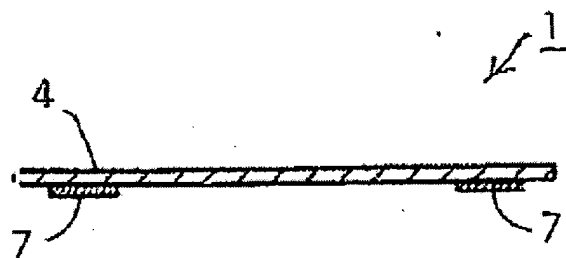


Figure 3

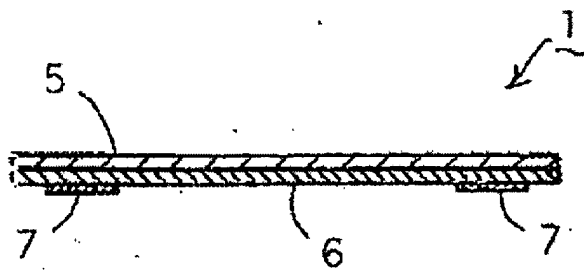


Figure 4

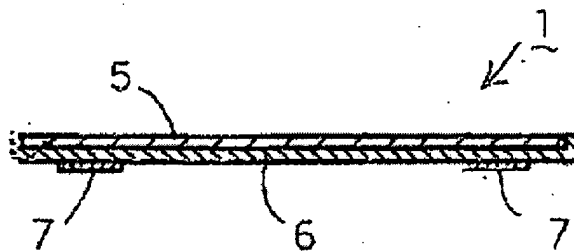


Figure 5

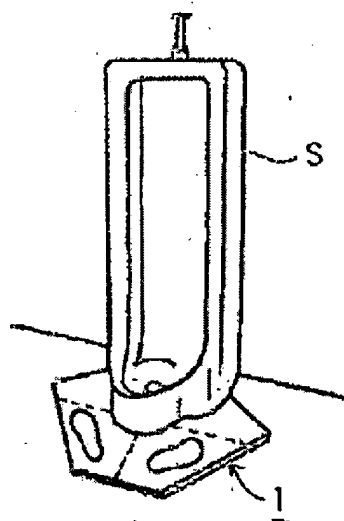


Figure 6

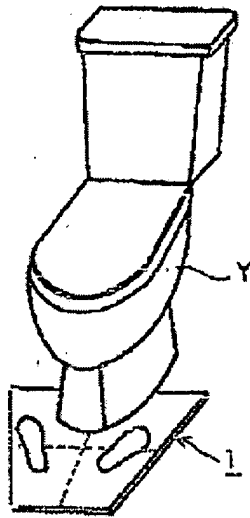


Figure 7

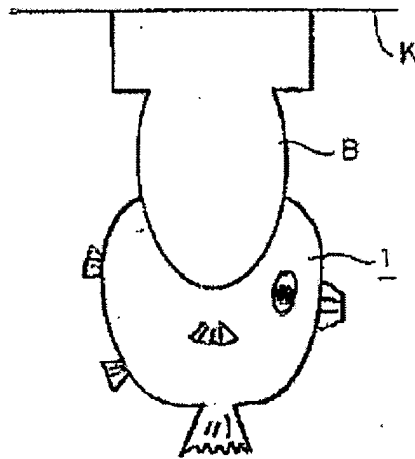


Figure 8

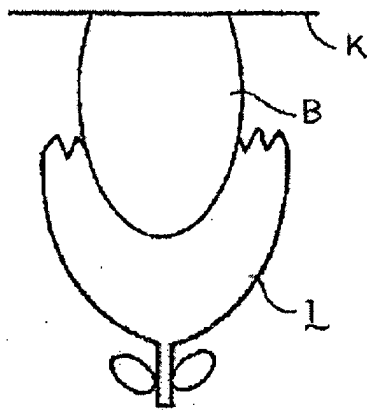


Figure 9

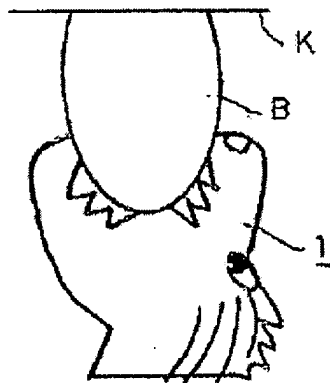


Figure 10

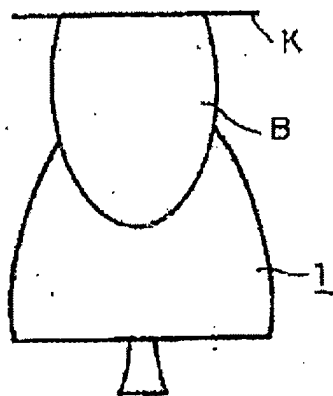


Figure 11

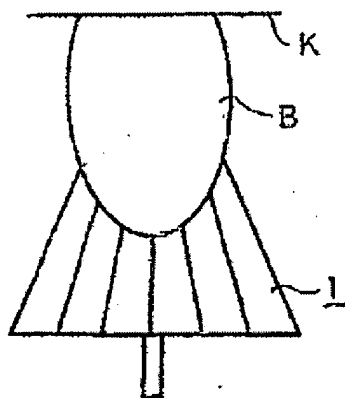


Figure 12

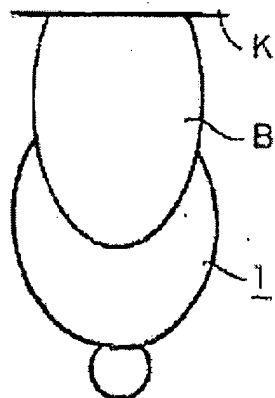


Figure 13